

ANTIMICROBIAL AND DEODORIZING FIBROUS SHEET AND ITS PRODUCTION

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Abstract of JP9143872

PROBLEM TO BE SOLVED: To obtain an antimicrobial and deodorizing fibrous sheet excellent in effect sustainability by applying a coating agent that contains antimicrobial and deodorizing ceramic powder and antimicrobial metallic powder to the surface of a fibrous base material, and then curing the coating agent.

SOLUTION: This method for obtaining an antimicrobial and deodorizing fibrous sheet comprises dispersing at least one kind of antimicrobial and deodorant ceramic powder selected from a group of silicon dioxide-, alumina-, titania-, zirconia-and ferrite-based ceramics, and at least one kind of antimicrobial metallic powder selected from a group of gold, silver and copper in a solvent such as water or an alcohol, adding a binder resin to the resultant dispersion, thus preparing a ceramic coating agent, coating the ceramic coating agent on a fibrous base material such as a nonwoven fabric by photogravure printing system, and curing the coating at room temperature.

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